

ABSTRACT OF THE DISCLOSURE

The subject invention provides a motor assembly having improved electromagnetic noise or interference (EMI) filtering and dissipation and includes a motor having at least two terminals. A carrier having an upper and a lower surface with an outer periphery defines apertures for receiving the terminals. First and second conductive regions are disposed on one of the upper and the lower surfaces and adjacent the apertures for electrically connecting to the terminals. A grounding region is disposed on one of the upper and the lower surfaces for grounding the carrier to an electrical ground and insulated from the first and the second conductive regions by a first non-conductive region. A circuit extends electrically connects the first and the second conductive regions to the grounding region for filtering EMI. A biasing device urges the grounding region of the carrier into electrical connection with the electrical ground for dissipating EMI and receptacles electrically connect the first and the second conductive regions to the terminals without requiring the terminals to be soldered to the carrier.